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10/807,323	03/24/2004	Mitsuo Ando	250937US2	4014

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ALEXANDRIA, VA 22314

EXAMINER
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ABBASZADEH, JAWEED A

ART UNIT	PAPER NUMBER
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2115

NOTIFICATION DATE	DELIVERY MODE
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ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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### DETAILED ACTION

Claims 1-17, 19-28, 48-60, 62, 64-66 are presented for examination.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-17, 19-28, 48-60, 62, 64-66 are rejected under 35 U.S.C. 102(e) as being anticipated by Cheng 2004/0006632.

As to claim 1, Cheng teaches an image forming apparatus, comprising:

a control part configured to provide common services on control of hardware resources to a plurality of first applications that are executed in the image forming apparatus using the common services provided by the control part [0019];

a virtual machine that is executed as one of the first applications [0024—  
Windows RTM thread which invokes a virtual machine] ;

a second application that is executed as one of the first applications;

a second application that is executed by the virtual machine [0020-0021]; and

an application management part managing the second application that is executed by the virtual machine [“By coordinating and dynamically starting and stopping

the application programs, the application controller is able to execute multiple concurrent application programs within the same virtual machine"--0022 and 0027].

As to claims 2--17, 19-28, 48-60, 62, 64-66, Cheng clearly teaches these claims to according to the reasoning set forth in claim 1.

### ***Response to Arguments***

Applicant's arguments with respect to claim 1-17, 19-28, 48-60, 62, 64-66 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAWEED A. ABBASZADEH whose telephone number is (571)270-1640. The examiner can normally be reached on Mon-Fri: 7:30 a.m.-5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on (571) 272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jaweed A Abbaszadeh/  
Examiner, Art Unit 2115  
6/30/2008

/Thomas Lee/  
Supervisory Patent Examiner, Art Unit 2115